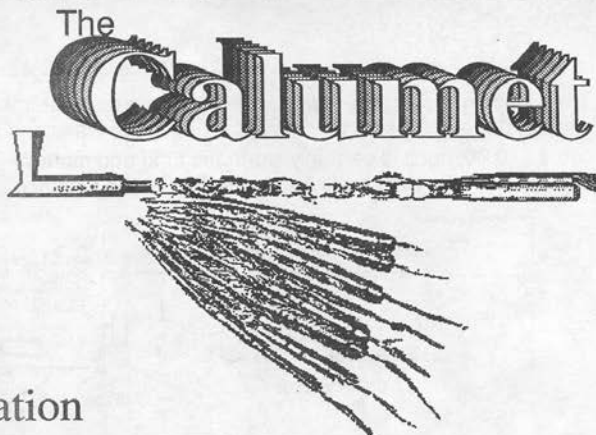




Lyons Chapter
Colorado Archaeological Society

Conservation
Preservation
Education
Exploration



Calendar of Events

- Aug. 28 - Sept. 7** Colorado State Fair. CAS exhibit will be Science and Industry Building. CAS volunteers are needed so plan to attend and spend some time working.
- Sept. 8, 1987** Garage Sale Committee meeting, 8pm Struthers Farm.
- Sept. 15, 1987** Deadline for submitting papers for presentation at the CAS 52nd Annual Meeting in October.
- Sept. 22, 1987** Executive Board Meeting, 7:30 pm At Larry Riggs office 1690 Lombardy Dr, walk down to the garage door and ring the bell. (449-2852)
- Sept. 29, 1987** Lyons Chapter Regular Meeting, 7:30pm, Hellems 252. Jane Day PhD, from the Denver Museum of Natural History will be our speaker. Dr Day is the Curator of Archaeology, She will speak on the "Images of Gold on Costa Rican Pottery". Dr Day received her PhD at the University of Colorado, she did her field work in Costa Rica. PAAC class. The first night of Lithics Description and Analysis.
- Sept. 24, 1987** 52nd Annual Colorado Archaeological Society Meeting. To be held in Denver.
- Oct. 10, 1987** "Ramses II, The Great Pharaoh and His Time" exhibit opens at the Denver Museum of Natural History.
- Oct. 18, 1987**

Inside the Calumet

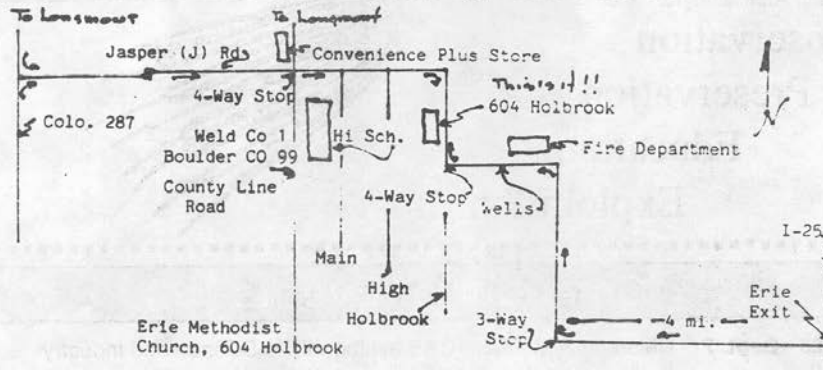
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**Important CAS garage sale
information on page 6!**



PAAC News

The Lithic analysis class is scheduled to begin on September 24 th. According to our PAAC coordinator Ann Pipkins there is still room in the class and time to get registered. The class costs \$10.00, but it is certainly worth the time and money. Top sign up for the class call Ann at 449-0851. The class will be held in Erie at the Lippincott's Church.



1-828-3144 Lippincott's Phone Number

During the field season there are often opportunities to join professional archaeologists in the field on a volunteer basis. These positions however are generally open only to PAAC trained volunteers! This is one of the best reasons to join in the PAAC program. At the site which I worked at this summer, Senac Dam we had three members of the Lyons chapter out at the site with us. Ivor Hagar, Bill Maxon, and Al Payne joined us and helped with the excavation process by screening for us, and we thank them for all of their hard work. The following article was sent by Ann Pipkins and Pat Hatfield, it is about the volunteer work that they were able to do in Routt Nation Forest last year.

High Altitude Archaeology

by Ann Pipkins and Pat Hatfield

For two weeks during the 1986 summer season, we worked for the Routt National Forest archaeologist performing high altitude surveys. The purpose of these surveys was to locate what are called tie hack cabins which were built between 1867 and 1925 and are now located on land to be leased at public auction for timber sales. Prehistoric cultural remains were also surveyed for, but the preponderance of material located was historic. The altitude ranged from 8,500 to 10,000 feet. Due to the fact that the area is so wet, it is referred to as the "asbestos forest" because it has never burned.

Trees 12 inches in diameter were the only ones that would be accepted by the railroad. The average number of ties cut a day was 25 with records of up to 50 being cut in a day. Ties were prepared in the following way: (1) After felling a tree, the tie hack cleared it of its limbs, preparing it for hewing. (2) With an 8 foot pole, the tie hack measured off the tie, as specified

Bits & Pieces

By Sue Struthers



The Annual meeting is coming up quickly, and Bill Harris has two slots left for papers to be presented. If you have a paper that you would like to present call me at 776-2350 and I will send you the application form. The deadline is Sept 15 so its essential that you hurry.

The Pueblo Chapter is presenting a Fall Backpacking Expedition to Canyon De Chelly. It is scheduled for October 11-17 of this year, and will be guided by Joe Pachak, Fred Blackburn and Dave Wilson. The cost is \$225 Per/ person, with all food provided. For reservations call Fran Cosyleon, 3750 Overton Rd, Pueblo CO 81008, 1-303-544-3344.

Leslie Wildesen is teaching a class on Effective Advocacy. The course will teach how to use the system more effectively. The course will be one night only on Sept.30, 7-10 pm on Capital Hill. The cost is \$21.00, and is offered through DFU/Learning Unlimited, course 144. For more information I suggest that you contact DFU, or Leslie.

State wide CAS is trying to develop a teaching program through a list of volunteer speakers. They have asked all interested people to fill out and return the speakers list application, which I have included in this newsletter.

Officers Elections for 1988. We have appointed a committee to find eligible candidates for officers. If you would like to be considered for one of these positions, or know of someone who would be interested please contact myself, Bill Maxon, Pat Hatfield or Larry Riggs. Remember the most important way you can support CAS is to agree to donate your time and energy.

The University of Nevada-Reno is sponsoring Cultural Resource Management Courses for January and May. These can be taken for college credit. They include Archaeological Recordation: Context, Concepts, and Control, Ceramic Analysis, and Exhibits Design. If you are interested in these classes, call me and I will get the information to you.

Ways & Means. We have decided to hold a garage sale. So we desperately need your contributions! If you have a few white elephants just lying around, consider disposing of them at the Lyons Chapter Garage Sale. For more information on when and where call Robin Farrington, Pat Hatfield, Bill Boyle or Myself. Lets shoot for a new projector by the end of the year!

Brian O'Neil is still waiting patiently to hear from all members who own computers, and are interested in the APPDAR program. If you are interested, drop me a line, and I will forward it to Brian or you can contact him directly.



-by Sharon Pay

*This
months
featured
plant:*

Tobacco and Cotton

September is here and although field season is not yet over, but the growing season is. Now is the time to start thinking about indoor gardens which are so much fun to grow and cultivate during the snowy winter months. Flowering plants and herb gardens bring summer back indoors and provide wonderful aromas. Two old world plants that are fun and productive to grow are tobacco and cotton.

Tobacco smoking through tubular pipes was introduced into the eastern Woodlands from South America some 3000 years ago. It is thought that all tobacco species originated there, and that the plant and method of smoking were probably transported together. The Hopewell Indians used platform effigy pipes to smoke their tobacco in, using shapes of human heads, frogs, waterbirds, owls, hawks and other animals. Each pipe had a hole in the back of the figure to hold the tobacco. The figure always faced the smoker and was perched on top of a platform base that contained a small hole from which the smoke was drawn. The Mogollon people used their unique style of pottery making to form cigar shaped pipes of clay. They also had reed cigarettes.

It is unlikely that the North American Indians smoked other substances before the arrival of pipe and tobacco from the south, but they soon learned to use local plants in addition to it. Some substitutes found on the eastern Plains include Skunk bush, Sumac, Curly Dock (using the seeds instead of the leaves) and Mullein (miners candle). In the east prehistoric Indians mixed the bark of Dogwood tree with tobacco which formed a mild narcotic.

Cotton is a fun plant to grow. Many tribes over the centuries had their cotton fields which they processed and then wove into fine fabrics that were used for trade. Prehistoric American cotton is an unexplained cross between a wild American species and another species from the Old World. How the two came together is still unknown. There are many speculations of prehistoric trans-oceanic travel, which may or may not eventually be proved. But at any rate, the species is thousands of years old and has been utilized for the production of textiles for much of that time.

All the South Western cultures were very fine weavers. Since cotton cloth is so perishable, and many of you remember that from OD's PAAC class on "Perishable Materials", little of it has survived there. But the samples available reflect the considerable skill that these people achieved. Button holes were made as the cloth was woven by using weft elements to pull warp elements apart. The Looms were probably simple

vertical frames. The spinning of the threads was done on simple spindles, each having a clay whorl to act as a fly wheel. We are finding these very things in our pit houses in Utah! Even with such simple equipment the Indians of the Southwest made some of the finest textiles known.

This month we have both tobacco seeds and cotton seeds available. The tobacco seeds are a variety that came from South America before Columbus. This species *Nicotiana rustica* Wariho Makuchi (n2), was used in tribal ceremonies and is extremely rare. It grows well in pots. The cotton seeds are Hopi Short Stapled. They are prehistoric, rare and prolific with pretty flowers. It was this variety that was used in the Hopi ceremonials.

I am still in Utah so again please send \$2.00 for each packet to Sue Struthers (address in the back of this newsletter). Next month: Chilies and Wild Chiltepinos.

1979 McPherson, Alan and Sue. Edible and Useful Plants of the Urban West. Pruett Publishing Company, Boulder, CO.

1976 Snow, Dean. The Archaeology of North America. Thames and Hudson, Ltd. London.

3A DAILY TIMES-CALL

MONDAY, AUGUST 24, 1987

IMPACT

Archaeological society official outlines work

By WARD PARKER
Times-Call Correspondent

Marcia Tate, president of the Colorado Archaeological Society, is to deliver a talk on Front Range archaeology for the group's Lyons Chapter monthly meeting at 7:30 p.m. Tuesday. The lecture will be in Room 252 of the Hellems Arts & Sciences Building, University of Colorado-Boulder.

Tate's lecture is expected to include a description of her work at an excavation site at Senac Dam, east of Aurora, said Sue Struthers, chapter president. The ex-

cavation is being conducted for the City of Aurora by Powers Elevation Inc. of Littleton.

Tate is head of archaeology for Powers Elevation and president of the Colorado Council of Professional Archaeologists.

The Senac Dam site is an example of early Colorado Woodland Indian occupation, dating back more than 1,000 years. Struthers said the site is very important because little is known of the Woodland people who existed before the more modern historical tribes.

"We're trying to recover what we can

before the dam goes in.... It's typical mitigation work." Struthers said that there will be no need to interfere with the construction of the dam, because "we're getting all the information we need."

The Lyons Chapter of the CAS is currently working on resurveying archaeological sites throughout Boulder County and other areas statewide. According to Mary Sucke, chapter publicity director, the resurvey work involves updating information on the sites, which had been garnered during the 1920s through 1940s, up to present standards of research. The society's members, who are volunteers, supply the

information to the office of the state archaeologist.

Indian Mountain, a site near Lyons, is being inventoried for the state archaeologist in case of future commercial or residential development in the area.

"We're a watchdog for archaeology, as it were," said Struthers.

While many of the sites being resurveyed are from Indian occupations, some are historical sites from mining and pioneer days. Rabbit Mountain, the location of a health resort at the turn of the century, is being inventoried in an attempt to have it placed on the National Register as

an historic and prehistoric landmark, Struthers said.

The Lyons Chapter, which is the only CAS chapter in Boulder County, is so named because many of the original members were from Lyons. It has more than 100 members and its activities are generally centered at CU-Boulder because of the abundance of professionals in the field working there, Struthers said.

In addition to the society's monthly lecture series, the Lyons chapter is trying to start a youth program in which volunteers would speak at local schools.

artifacts

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FRENCH PREHISTORIC HUNTER
DE ODE-E-RANT HAD MIXED
RESULTS WITH HIS NEW IDEA.



CAS garage sale-

A CAS garage sale will be held Saturday, October 17th for the purpose of generating income for the purchase of a slide projector. Pat Hatfield has graciously donated space for the garage sale, now we need additional volunteers to donate material to sell and to help man the garage sale tables. We will be sending out a mailing with additional information in a short time but if you feel you have some items that you would like to donate or if you would like to help with the garage sale, please give Susan, Pat or Robin a call. Help make this a success!

by the Union Pacific. (3) The tie hack scored two surfaces with a double-bladed ax to proper thickness for hewing with a broad ax. (4) The bark was peeled from the tie along with a "spud peeler." (5) By using a pickaroon, the tie hack was able to skid the tie along the snow to the skid road, where it would be piled for hauling.

The cabins were usually found in groups of at least 3, and occasionally as many as 9 were found in one area. Each cabin housed 4 men and their meager possessions. There was usually one cabin which was set up to be a cooks cabin where the meals were prepared and served. The cooks were generally women who joined the men in obtaining work during the winter months. Most of these women were single and were also looking for husbands. There are some pretty TALL tales about what a man would do to win the affections of the women he wished to marry. This is where the record of 50 ties a day being cut occur!

For example, because there were so few women available, a woman was often asked for her hand in marriage by more than one man. The woman would tell her suitors that whoever could cut the most ties in one day would be the one she would marry. So, a contest was staged between the rivals to see who could *cut and prepare* the most ties in one day. In one instance, a man performed this feat by preparing 50 ties, thereby winning the hand of the woman. Due to the presence of women in this mountain area it was nicknamed "Hog Park," and the name is still used today.

In addition to the tie hack's and cook's cabins

were also found remains of the saloon. This was located across from what is called Commissary Park, which at its peak contained a hospital, hotels, stores etc. to accommodate up to 500 people with the needed supplies and distractions. The saloon was easy to locate due to large amounts of broken bottles (whiskey and beer alike). A whiskey shot glass was found which dated from around 1915.

This work was a great learning experience for us. Not only in terms of the archaeological knowledge gained but this area is a very rich historical resource and of significance to the settlement of Colorado.

THE FAR SIDE

By Gary Larson



"Think about it, Murray. ... If we could get this baby runnin', we could run over hikers, pick up females, chase down mule deer — man, we'd be the grizzlies from hell!"

Field Directors Report

-Robin Farrington

Well, the rain gods were not looking kindly on us for the last field survey day. Needless to say we were rained out. Robin has scheduled a new date for the next Indian Mountain survey! The next day will be Sept. 19th. Call Robin for more details. Robin says that he can use all of the people he can get to survey. Also, Laura is planing some dates for the Boulder County survey for the fall. She needs to know who is available and interested. If you are, please get a hold of her by phone or drop her a letter.

Lyons Chapter, CAS, Executive Board For 1987

Officers:

President: Sue Struthers, 8439 N 63rd, Longmont 80501 (776-2350, 492-4482)
Vice President: William Maxson, 827 Maxwell #E, Boulder 80302 (447-1947)
Secretary: Anita McHugh, Box 13812, Boulder 80308 (449-6127)
Treasurer: Pat Hatfield, 1951 Vista Dr., Boulder 80302 (449-1702)

Standing Committee Chairpersons:

Directors: Leni Clubb, P.O. Box 56, Ocotillo, CA 92259 (619-358-7835)
 William Boyle, 1001 Peakview Cir., Boulder 80302 (442-3682)
 Lee Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)
 Cleo Barnes, 801 Gillaspie Dr., Boulder 80303 (499-1335)
CAS Representatives: Mark Chenault, CB #218, CU, Boulder 80309 (492-8881)
CAS Rep. Alternate: John Cater, 2-B Centaur Ct., Lafayette 80026 (665-0140)
Librarian: Sue Lacey, 2262 Juniper Ct., Boulder 80302 (442-4400)
Professional Advisor: Michael Burney, PO Box 7063, Boulder, 80306, (666-0782)
Advisory Committee To State Archaeologist:
Professional: Fred Lange, 1553 Mt. Evans, Longmont 80501 (772-2012)
Avocational: Anne Pipkins, 4500 19th #456, Boulder 80302 (449-0851)

Field Directors: Robin Farrington, 704 Mohawk #5, Boulder 80303 (499-1582)
 Laura Viola, 2857 Shadow Creek Dr., Boulder 80303 (442-2019)
Project Infor. Officer: Sharon Pay, 5000 Butte #116, Boulder 80301 (443-3042)
PAAC Coordinator: Ann Pipkins, 4500 19th #456, Boulder 80302 (449-0851)
Temp. PAAC Coordinator: Larry Riggs, 1690 Lombardy Dr., Boulder 80302 (449-2852)
Publicity: Edna Collis, 2800 Kalmia #203 B, Boulder 80302 (444-0853)
 Mary Sucke, 972 Martin Rd., Longmont 80501 (772-9538)
Ways & Means: Jodi Struthers, 8439 N 63rd, Longmont CO 80501 (776-8907)
Youth Program: Peter Christensen, Salina Star Route, Boulder 80302 (447-9311)
The Calumet Editor: Michael Kimble, 8439 N 63rd, Longmont 80501 (776-2350)

According to the By-laws of the Lyons Chapter, Colorado Archaeological Society, the officers and chairpersons of the Standing Committees are voting members of the Lyons Chapter Executive Board.

This newsletter is published monthly by the Lyons Chapter, Colorado Archaeological Society. The views expressed in articles or editorials appearing in this publication do not necessarily reflect those of the membership or the Executive Board of the Lyons Chapter, CAS.

Welcome to new Members

Laura, Roger, and Liz Milway
 3750 Spring Valley Rd.
 Boulder, CO 80302
 444-1221

Margaret Quist
 326 Peakview Rd, JSR
 Boulder, CO 80302
 444-2110

Brett Hill
 1052 Rose Hill Dr
 Boulder, Co 80302
 442-8896

Fred & Maryl Trembour
 365 So. 43 St.
 Boulder, CO 80303
 499-2117

SPEAKERS LIST APPLICATION

Public education has long been of fundamental importance to the Colorado Archaeological Society (CAS) and the Office of Archaeology and Historic Preservation (OAHF). In an attempt to provide additional information to the public, CAS and OAHF are compiling a speakers list.

This speakers list will be composed of professionals and avocationalists with expertise in archaeology, geology, history, paleontology, etc. The list will be made available, on request, to both public and private institutions/organizations and to individuals requiring a related area of expertise.

If you enjoy sharing your particular area of expertise with others and want to be a part of our list, please complete the following application. This application must be printed or typed.

NAME _____

ADDRESS _____

CITY/STATE _____

HOME PHONE _____

WORK PHONE _____

TOPIC(S): 1. _____

2. _____

3. _____

QUALIFICATIONS: _____

SPECIAL REQUIREMENTS: _____

Please return this application to Speakers List, Office of Archaeology and Historic Preservation, Colorado History Museum, 1300 Broadway, Denver, CO 80203.